

Certificate Of Analysis

NO:024-T81-TSX

Peptide Name	Thymosin β 4 , TB500		
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S	Manufacturing	2025/02/13
Molecular Weight	4963.49	Report Date	2025/02/15
CAS No.	77591-33-4	Re-test Date	2027/02/15
Appearance	white powder	Packing size	1Kg/bag
Reference Standard	Reference Ch.p	Storage conditions	Cool dry place(away from the light)
Sequence	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH		

Tests	Specifications	Results
Appearance	White powder	Conforms
MS (ESI)	Conforms	Conforms
Purity(HPLC)	≥98.0%	99.40%
Acetate Content(HPLC)	<12.0%	5.39%
Water Content (Karl Fischer)	≤10.0%	7.66%
Peptide Content (N%)	≥80.0%	85.38%
Mass Balance	95.0~105.0%	Conforms
Microbiological Examination	TAMC ≤ 100cfu/g	TAMC ≤ 100cfu/g
	TYMC ≤ 100cfu/g	TYMC ≤ 100cfu/g
Bacterial endotoxin	<10EU/mg	<10EU/mg

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

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